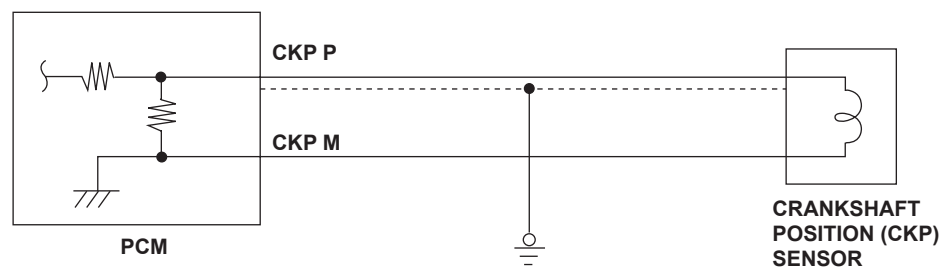


Advanced Diagnostics

DTC P0336: Crankshaft Position (CKP) Sensor Intermittent Interruption



P0335-9604

General Description

Crankshaft position (CKP) sensor detects crankshaft revolutions and outputs pulsing signals to the powertrain control module (PCM). The PCM determines the crank angle and engine speed from the signals. CKP sensor determines fuel injection timing and ignition timing for each cylinder, and it is also used to detect engine speed. If it has not counted a set number of pulses from CKP sensor per top dead center (TDC) sensor pulse, the PCM detects a malfunction and a DTC is stored.

Monitor Execution, Sequence, Duration, DTC Type

Execution	Continuous
Sequence	None
Duration	—
DTC Type	One drive cycle, MIL ON

Enable Conditions

Condition	Minimum	Maximum
Engine speed	500 rpm	—
No active DTCs	CKP, TDC	

Malfunction Threshold

The number of times the CKP sensor outputs other than four pulses for each TDC sensor pulse has been continuously counted 30 times.

Diagnosis Details

Conditions for illuminating the MIL

When a malfunction is detected, the MIL comes on and the DTC and the freeze frame data are stored in the PCM memory.

Conditions for clearing the MIL

The MIL will be cleared if the malfunction does not recur during three consecutive trips in which the diagnostic runs. The MIL, the DTC, and the freeze frame data can be cleared by using the scan tool Clear command or by disconnecting the battery.